CONTENTS OF SCIENTIA HORTICULTURAE, VOLUME 41

VOL. 41 NOS. 1-2

DECEMBER 1989

Note from the Publisherv
Influence of within-row spacings on distribution patterns of yield components in cowpeas
P.J. Stoffella and D.J. Fousek (Fort Pierce, FL, U.S.A.)
Simulation of plant-water relations and photosynthesis of greenhouse crops
L.F.M. Marcelis (Wageningen, The Netherlands)
Changes in the chemical composition of eggplant fruits during storage
R.M. Esteban, E. Molla, M.B. Villarroya and F.J. Lopez-Andreu (Madrid, Spain)
The relationship between basipetal auxin transport and calcium allocation in vegetative
and reproductive flushes in avocado
J.G.M. Cutting and J.P. Bower (Nelspruit, South Africa)
Storage behaviour of specific-gravity-graded guava fruits
D.K. Tandon, B.P. Singh and S.K. Kalra (Lucknow, India)
Genetic variability, correlations and path-coefficient analysis for some morphological and biochemical constituents of acid lime fruit
M.B.N.V. Prasad and G.S.P. Rao (Bangalore, India)
Effects of pruning on light interception, specific leaf density, and leaf chlorophyll content
of mango
B. Schaffer and G.O. Gaye (Homestead, FL, U.S.A.) 55
Fruit set in the pepino (Solanum muricatum Ait.)
G.K. Burge (Levin, New Zealand)63
Development changes in 'Valencia' orange fruit epicuticular wax in relation to fruit position on the tree
M. El-Otmani, M.L. Arpaia, C.W. Coggins Jr. and J.E. Pehrson Jr. (Riverside, CA,
U.S.A.) and N.V. O'Connell (Visalia, CA, U.S.A.)
Effect of intermittent shading on growth, flowering and nutrient uptake of passionfruit
C.M. Menzel and D.R. Simpson (Nambour, Qld., Australia)
Water relations of Lagerstroemia indica grown in amended media under drought stress
F.T. Davies Jr. and Y. Castro-Jimenez (College Station, TX, U.S.A.)
The influence of macronutrients and some other factors on growth of Phalaenopsis
hybrid seedlings in vitro
M.G.J. Hinnen, R.L.M. Pierik and F.B.F. Bronsema (Wageningen, The Netherlands)105
The flowering of Chrysanthemum morifolium seedlings and cuttings in relation to
seasonal fluctuation in light
J. de Jong (Wageningen, The Netherlands)
Flowering of Centradenia inaequilateralis 'Cascade' as influenced by temperature and photoperiod
K. Friis and O.V. Christensen (Aarslev, Denmark)125
Effects of GA ₄₊₇ on flower initiation and development and vegetative growth of
Streptocarpus × hybridus Voss. 'Hybrid Delta'
A.R. Orvos, R.E. Lyons and R.L. Grayson (Blacksburg, VA, U.S.A.)131
Some physiological considerations on sulfur dioxide sensitivity in drought-stressed

seedlings of sweetgum (Liquidambar styraciflua L.)
B.R. Roberts (Delaware, OH, U.S.A.)
Prevention of shoot-tip necrosis in shoot cultures of chestnut and oak
A.M. Vieitez, C. Sanchez and C. San-José (Santiago de Compostela, Spain)151 In vitro development of adventitious shoots in <i>Euonymus alatus</i> (Celastraceae)
C.C. Smith (Athens, GA, U.S.A.) and J.A. Jernstedt (Davis, CA, U.S.A.)161
n 1 n .
Book Review Tissue culture
Plant propagation
Calendar of Events 173
Guide for authors
VOL. 41 NO. 3 JANUARY 1990
In vitro ovule culture of intergeneric hybrids between $Brassica\ oleracea$ and $Raphanus$
sativus
M.M. Hossain, H. Inden and T. Asahira (Kyoto, Japan)
Influence of pruning and season on productivity of cucumber plants grown in a sequence cropping system
G. Gobeil and A. Gosselin (Québec, Que., Canada)
Discolourations of carrot (Daucus carota L.) during wet chilling storage
R.W. den Outer (Wageningen, The Netherlands)
serotina Rehd.)
J.G. Buwalda and J.S. Meekings (Hamilton, New Zealand)
The effect of gibberellins and growth retardants on in vitro flowering of the vegetative apex of Japanese pear
Y. Higashiuchi (Hyogo, Japan), K. Kido (Tokyo, Japan), T. Ichii, T. Nakanishi, Y.
Kawai and T. Ozaki (Kobe, Japan)
In vitro flowering of Japanese pear and the effect of GA ₄₊₇
T. Tsujikawa (Tokyo, Japan), T. Ichii, T. Nakanishi, T. Ozaki and Y. Kawai (Kobe, Japan)
Changes in water status and ABA content in peach leaves following foliar application of
CGA 15281
G.J. Noga and M.J. Bukovac (East Lansing, MI, U.S.A.)
The influence of temperature and photoperiod on the flowering of <i>Peperomia caperata</i> Yuncker
J.J. Brøndum (Aarslev, Denmark) and K. Friis (Odense, Denmark)
Night-time transpiration in greenhouses
I. Seginer, D. Kantz (Haifa, Israel), N. Levav and U.M. Peiper (Bet-Dagan, Israel) 265
VOL. 41 NO. 4 FEBRUARY 1990
Water relations of the mushroom culture <i>Agaricus bisporus</i> : study of a single break P.P. Kalberer (Wädenswil, Switzerland)
Identification of mandarin hybrids with the aid of isozymes from different organs

Y. Gogorcena (Valencia, Spain), H. Zubrzycki (Corrientes, Argentina) and J.M. Ortiz (Madrid, Spain)	285
The effect of ionizing radiation on ethylene sensitivity and postharvest ripening of banana fruit	200
G.J. Strydom (Pretoria, South Africa) and C.S. Whitehead (Johannesburg, South Africa)	293
Effects of Sigatoka leaf spot (Mycosphaerella musicola Leach) on fruit yields, field ripening and greenlife of bananas in North Queensland	
M.D Ramsey (Indooroopilly, Qld., Australia), J.W. Daniells (South Johnstone, Qld., Australia) and V.J. Anderson (Oonoonba, Qld., Australia)	305
Manipulating vegetative: reproductive growth in avocado (Persea americana Mill.) with paclobutrazol foliar sprays	
B.N. Wolstenholme (Pietermaritzburg, South Africa), A.W. Whiley and J.B. Saranah (Nambour, Qld., Australia)	315
Orchard application of paclobutrazol on ripening, quality and storage of mango fruits S.E.S.A. Khader (Lucknow, India)	329
The effect of lighting period and photon flux density on growth of six foliage plants L.M. Mortensen (Ås-NLH, Norway) and S.O. Grimstad (Klepp stasjon, Norway)	337
In vitro organogenesis in leaves of azaleas 'Petrick' and 'Rex' S. Radice and O.H. Caso (Buenos Aires, Argentina)	
Author Index	349